BOLLETIN Volume 32 - Number 28 / July 28, 1978 **BROOKHAVEN NATIONAL LABORATORY**

Isabelle Workshop Ends

-1230-18



The two-week ISABELLE Workshop has drawn to a close. Over 80 visiting physicists, and an equal number of Brookhaven individuals have participated in parallel sessions on detectors, data handling, and experimental areas at ISABELLE. In addition to the talks, there were a number of informal meetings where specific topics were discussed. One of these sessions was held at the center of the ISABELLE ring where the participants went on --photos by Reben



A meeting of a Workshop subgroup in the new office wing at ISABELLE



Nick Samios, Chairman of the Physics Department and Jim Sanford, Chairman of the Accelerator Department at the center.

Avital Shcharansky's talk, which was scheduled for Thursday, was cancelled due to Mrs. Shcharansky's being taken ill in Chicago on Wednesday. The talk will not be rescheduled, since she will return to Israel directly from

1227-78 Technician Training **Deadline Approaches**

It's the bottom of the ninth and, if you planned to apply for BNL's Technician Training Program, you're at bat. Today, July 28, is the final day to complete and return applications for the Program which will send two Lab employees to Suffolk County Community College for up to four semesters. Technically skillfull applicants interested in areas such as Mechanical and Electrical Technology, Data Processing and Engineering Science and who have completed 6 months experience at BNL may apply. Don't "resign" yourself before the deadline: completed forms must be given to Peter Paige, Extension 2885, of Personnel no later than today.

Medical Mini-Tour

One of the most popular mini-tours offered by the Special Events staff ran for two consecutive weeks recently under the direction of Ed Ohanian of the Medical Department.

Ed, and a large staff of volunteers played host to almost 2400 people during the two weekends that the tour was offered. Visitors were treated to demonstrations and lectures about the Inhalation Toxicology unit, the Whole Body Counter, and the research on hypertension. As with most medical tours, visitors were reluctant to leave and tended to stay in the area to ask detailed questions about current research. The Medical staff did yeoman service in answering questions, even though the questions were sometimes of a personal nature.

Chem Help-Line

A major improvement in the Chemical Information System (CIS) - a computerized system used by scientists to identify unknown chemical compounds - has made it easier and cheaper for chemists to pinpoint the poisonous and cancer-causing substances found in air, water, and food. BNL's Chemistry Department, which operates the system for the National Institutes of Health and the Environmental Protection Agency, has announced that all of the NIH-EPA CIS data bases have been consolidated onto one central computer, which can be reached by chemists working at computer terminals connected to telephone lines.

The CIS's seven different data bases, which were previously distributed among three different computer systems, have all been installed on the facilities of Interactive Sciences Corporation, a computer company located in Braintree, Massachusetts. The company was contracted to provide computer services to the CIS by the Chemistry Department, which is responsible for all operational aspects of the CIS under an agreement between the National Institutes of Health and the Department of Energy. While Brookhaven handles operational aspects, development of the system is the responsibility of Fein-Marquart Associates (of Baltimore, Maryland), under contract to the EPA.

BNL's involvement with the CIS began in the summer of 1975, and the Lab has been officially in charge of the system's operation since the beginning of this year. Chemistry Department staff currently involved in the project are Herbert Bernstein (who is the CIS operations manager), Kathleen Taylor, Ille Perlman, Lawrence Andrews, Sherie Michaile, and summer student Gerard Pelletier.

The Chemical Information System is used by scientists in the U.S., Canada, and Western Europe to identify unknown substances - including pollutants and carcinogens - in water, air, food, and manufactured materials. Nearly 400 scientists currently use the system. They represent over 200 organizations, including government agencies, petroleum and chemical firms, pharmaceutical and cosmetics companies, food manufacturers, and medical facilities.

By careful laboratory work, a chemist can produce a pattern of lines which represents the structure of a chemical compound and is equivalent to its "fingerprint." Without a computer, the next step in identifying the substance would be a time consuming search through reference books and journal articles, to match the pattern to an identified compound.

Using a computer search system such as the CIS instead, the chemist can find the identity of the substance in a few minutes at a typewriter-like terminal connected to his telephone. In addition to identifying the compound by matching its structure against 110,000 others in its memory, the computer can provide the chemist with information about the chemical's toxicity and can direct him to the literature available on it for more detailed study.

Consolidation of the seven CIS data bases (which provide different ways of identifying compounds) will save both time and money for users of the system. Chemists can now obtain information from all of the data bases at once, instead of having to "plug in" to two or three different computers. The consolidation has also made possible a new simplified system of billing in which a yearly subscription fee and two flat hourly rates replace the component-bycomponent fees charged in the past. In most cases, the new billing system reduces the cost to users substantially.

Since its beginning in 1971, the CIS has grown from a system based on a single collection of data to one which includes data from England's Mass Spectrometry Data Center and Crystallographic Data Centre; the eight-nation Carbon-13 Nuclear Magnetic Resonance Consortium (based in Holland); and the United States' National

(continued on page 2)



Technician Mort Czaja checks AGS magnet coils for turn-to-turn shorts above. These are part of some 70 coils recently stripped of their radiation damaged outer insulation by a water gun which fires a 1/16 inch diameter stream of water at up to 20,000 psi. Restored coils, as opposed to those newly purchased, represent a \$250,000 savings. -photo by Rosen

Charred Epoxy Blasted Off

"In use, the Hydro-Blast sounds like a high-powered rocket," remarked Erwin Rodger, a Development Engineer at the AGS. "It's an awesome thing."

Recently used in Rodger's department to clean 70 of the synchrotron's radiation damaged magnets, the Hydro-Blast consists of a hand-held water nozzle which serves as a gun. When the gun is attached to the diesel powered pump, water at up to 20,000 psi is forced through the nozzle's tip which is the size of a pencil point.

The AGS requires about 240 magnets to create a field which deflects moving particles. Radiation damaged epoxy anywhere along the magnet coils can cause an electrical short.

The Hydro-Blast's high pressured water pierces the layer of damaged fiberglass epoxy on the coils and removes it without affecting the copper or the turn-to-turn insulation. The epoxy becomes charred after fifteen or twenty years of nuclear radiation exposure. When it is removed, the magnet's fiberglass insulation will be replaced and the coils impregnated with fresh epoxy.

The gun must be used in favorable weather by trained operators aware of the potential hazards of the forceful stream which can sever an arm or leg. Rodger states that prior to using the Hydro-Blast gun, removing the epoxy and restoring the coils to workable condition was not considered because it took too long and was too

Use of the gun on the AGS magnets, Rodger projects, represents a \$250,000 savings to the Lab. He feels the gun might also be used for jobs such as removing paint or boiler scale, or on other difficult to clean machinery. -Rosanne Pagano

Weekend Tour

The 200-MeV LINAC, or linear accelerator, does double duty. It pre-accelerates protons to the 33-GeV AGS for high energy physics research and it pulses protons down three other lines, BLIP, CLIF, and the Medical facility. BLIP, Brookhaven Linear Isotope Production, produces radioisotopes for medical use, and CLIF, Chemical Linac Irradiation Facility,

isotopes. In addition to learning about the LINAC, weekend visitors can take a long look down the 480 foot tunnel that houses the accelerator.

searches for undiscovered radio-

EXHIBIT CENTER



Looking up the hill toward the Manetto Methodist Church (second from left). The Village is a recreation of mid-1800 Long Island rural life.

The Old Bethpage Village Restoration is among a handful of the "live, outdoor museums" located throughout the country. The Village has been restored from about 17 buildings which have been moved to Old Bethpage from their original Long Island sites. The Village is a depiction of rural life on the Island as it would have been in the early to mid-1800's.

There are 12 buildings which the public may wander through and enjoy. The Schenck House is the oldest of the lot. Martin Schenck was the Dutch-descended owner of the home, built in 1760. Its neatly arranged rooms are large and open, and contain sleeping closets which, on very cool Long Island evenings, might be inviting, although too short, for a 20th century lodger.

The walking tour of the outdoor museum will take about three hours. It follows the Village's unpaved, wide streets which wind up and down a very picturesque site. Blacksmith, hat, shoemaker and carpentry shops all are located on a block. In each, museum staffers perform the shop's craft as it would have been done in the period. Several handmade hats and shoes, for example, made by the staff are displayed.

The Powell farm, located in the farthest corner of the museum grounds, is the only building on its original site and is a working farm where out back, vegetables are grown and farm animals are attended to. In the Powell kitchen, butter is churned and bread is baked. Village staffers perform all the farm tasks and are knowledgeable and friendly when asked to explain what it is they are doing. And on a hot day, it's good to know that homemade ice cream is sometimes made, ready by mid-afternoon; tasters welcome.

The museum has acquired the buildings of two East Norwich, Long Island stores which were managed by John Luyster, c. 1840 and John Layton, c. 1865. The stores provide a colorful contrast because the type of goods sold during those years still stock the shelves. What was indispensable for rural life in 1840, in some cases, had become obsolete only 25 years later. Penny candy, however, has certainly not fallen to obsolesence, and is sold in both stores. It is interesting to note the change in the quality, amount and variety of goods sold in the two neighboring markets.

There are homes from Hempstead, Jericho and Middle Island, in addition to the Manetto Hill Methodist Church from Plainview. The Church is a fine example of the simplicity of mid-century, Methodist architecture. Even on a warm day, the Church's situation on a hill provides a slight breeze which moves its thin, white

The Church is at the opposite corner from what would have been its sole spiritual competitor, the Noon Inn. John Noon's establishment, c. 1850, houses a worn, wooden bar, tables and patriotic wallhangings. Instead of the fine ales once drained within its walls, today, pretzels and birch beer are the Inn's specialties.

The cassette tour which can be rented provides many small facts concerning the buildings and is largely unnecessary as the guides in each home or shop provide thorough information. Very comfortable shoes are advisable as is a quick browse through the Village gift shop. A cafeteria, located in the Reception Center, offers the usual fare which can be eaten on a pleasant patio dining area. Also in the Center is a movie. run every hour.

Village historian Elizabeth Hitz points out that the museum tries to show "not

just how 'it' was or how 'they' lived," because essentially, not all that much has changed in a little over one hundred years. "Attitudes, lifestyles, nuclear family life and politics" have not undergone the drastic alteration one might initially imagine, according to Ms. Hitz, and the museum does not try to exaggerate the changes that have taken place.

More than simply old buildings all in one spot, the Old Bethpage Village spon-



Graveyards were places of repose both for the living and dead in the 1850's. Benches and ornamental trees line the cemetery, where no one is buried, at Old Bethpage.

sors an ambitious year-round program of activities to which the public is invited.

Other upcoming events held on the museum grounds include the ladies sociable, August 5 and 6. Not a picnic or carnival, the sociable is patterned after documented affairs held by ladies auxiliaries of the 1840's to 1860's as a fund-raising endeavor. Featured will be ice cream, lemonade and a

Pleasure driving will be demonstrated August 13. Horse drawn vehicles entered by the American Driving Society will be exhibited. The public is welcome to take advantage of the chance to see a variety of interesting, authentic period vehicles and as one curator noted, "very beautiful horses."

The Long Island Fair, a continuation of the Old Mineola Fair, will be held October 6, 7, 8, 9 at the Village and like true, old-time country fairs, there will be cider, doughnuts, the Old Bethpage Band and contests of produce and handcrafted items. A handmade quilt will also be raffled.

In December, the Ladies Fair is held where the handiwork of historical needleworkers is displayed. Also, December 26 through 29, the Village is open between 2 p.m. and 9 p.m. for its "Candlelight Even-

The entrance to Old Bethpage Village Restoration on Round Swamp Road may be reached from Exit 48, Long Island Expressway. Signs clearly mark the direction. Open daily in July and August from 10 a.m. to 5 p.m., admission to the Village is \$2.50 for adults and \$1.50 for children. For more information, call (561)420-5280.

6-1734-75 Rosanne Pagano



Old-time, handcrafted workmanship may be gone, but at Old Bethpage Restoration Village, staff members show it is not forgotten.

TUNE IN!

#502

What is the possibility of the Laboratory either going on a ten hour day four days a week or a four day work week, to help the economy of our country?

We would like to see a poll taken and the results printed in the Brookhaven Bulletin. There are a lot of us who would be interested in this.

Our answer to the possibility of a fourday workweek at the Laboratory is the same at it was to Tune In #345 in December, 1973.

Scheduling nonexempt employees to a 10-hour day would require their being paid overtime because of the Federal Wage-Hour laws governing Federal contractors such as AUI.

Furthermore, four-day workweek plans have been most successful in productiontype operations where many employees perform the same or similar work either on an assembly line or in a large clerical setup where many of the tasks are repetitive. At Brookhaven, much of our effort goes to the support of 24-hour research facilities and there are very few repetitive or productiontype jobs being performed.

> Very truly yours, Joseph S. Washburne, Manager Personnel and Labor Relations

P.S. Approximately only one percent of the 41,500,000 wage workers in the U.S. work a four-day week.

Arrivals & Departures

Arrivals

Thomas R. Brown	Accelerator
Paul A. Kessler	Applied Math.
Richard A. Satter	Plant Engrg.
John S. Sullivan	

Departures

Cesar Dopazo	Energy & Env.
Andree-Marie Kendirgi	Accelerator
Leo B. Levitt	Nuclear Energy
John F. Monahan	Applied Math.

Service Awards

The following employees will receive service awards during the month of July.

Thirty Years

David E. Alburger	r nysics
Philip R. Davis	Chemistry
Mary R. Dohrman	
Frank L. Magnani	Plant Engineering

Twenty-Five Years John M. Densieski

Richard W. Emanovsky	
Helen Z. Kondratuk	
Leigh F. Phillips	
Reese D. Thomas	Accelerator

Twenty Years

ic F Roth

Louis F. Doin	Accelerator
Lawrence M. Cook	Medical
Arthur Friedman	Physics
Amanda L. Harrison	Medical
H. George Latham	Biology
Donald M. Miller	
Chester A. Smith	Accelerator
Paul R. Tichler	Reactor
Rino Tulipano	Accelerator

Ten Years

David J. Diamond	Nuclear Energy
Joseph P. Kenneally	
William H. Kropp	Nuclear Energy
Jacqueline Larrie	Medical
Otto W. Lazareth, Jr	Nuclear Energy
Karl E. Peterson	Central Shops
Robert L. Rowley	Personnel
James J. Shields	
Grace N. Vestal	Staff Services

Notice On King Tut

Four hundred people have paid for reservations to see the King Tut exhibit. As of today, we have confirmed spaces from the Museum for 160 people. Of the remaining number, 160 have been rejected and 80 are still in limbo. As soon as we are notified concerning these last 80, a lottery will b. held for the confirmed spaces. Those who are not drawn will have their checks refunded.

Individual Ticketron tickets will go on sale September 18. Hopefully everyone will be notified by the first week in September as to whether or not they will be going with

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CARL R. THIEN, Public Relations Officer

Interns End Term

Representing seven area high schools, nine BOCES students completed their BNL science internships July 27. Annually, the Board of Cooperative Educational Services (BOCES) selects gifted and talented youth to participate in its summer session of advanced-level courses offered in both the arts and sciences.

The BOCES Summer Science Internship places high school underclassmen in institutes such as BNL and Stony Brook University to work with scientists who are involved in research of mutual interest. The students,, selected by high school faculty members, are placed for three weeks and receive no remuneration for the educational experience.

In the Department of Energy and Environment, Shane Bouslough worked on both the software and hardware aspects of computer technology. Keith Fuchs studied different facets of instrumentation in data collecting and how this applies to actual fieldwork. David Goland, also in Energy and Environment, worked with a group involved in the analysis of effluents from industrial smoke stacks.

Both Susan Cercie and Abigal Villoda were placed in the BNL Biology Department. Susan's work in biochemistry analyzed enzyme systems that are part of the DNA repair system. Abigal helped to prepare the necessary media for the maintenance of cultures and learned the innoculation procedure.

The Medical Department hosted BOCES students Valerie Hook, Carolyn Bender and Helen Jablonski. Caroline studied not only the appearance of aberrant configuration in microscopy and histology, but also what is considered to be the acceptable range. Behaviorally induced hypertension on rats and mice was studied by Valerie while Helen was involved in a particle uptake study of mice exposed to those substances that are the products of our technological environment.

Donna Annette, who worked in S&EP, made an ecological study of the Peconic River and learned the different types of sampling techniques involved.

BNL was one of the first local organizations to participate in the BOCES program whose objective is to reinforce the interest of high school students in pursuing careers in science.—Rosanne Pagano



Susan Cercie, a junior at Shoreham-Wading River High School, applies techniques involved in cytogenetics used in her investigation. BNL's Dr. William Farland of the Biology Department supervised Susan's research. — Reben

Letters To The Editor

Dear Editor,

I would like to express my sincere thanks for the basket of fruit and the many cards sent to me from my friends and co-workers while out on sick leave. I expect to be home from the hospital shortly and hope I will be able to return to work in the near future. Thanks again.

Lou Dendato

Retiring 5-843-78



Julius Stapon will retire July 30, 1978 after 10 years of service in BNL's department of Plant Engineering. Hired July 1, 1968, Julius plans to enjoy his winters in Florida and summers on Long Island. Plenty of fishing is also on his agenda.

Golf Tournament Reminder

The next BGA tournament will be held at the Suffolk County Golf Course in Riverhead on July 31. Starting time will be 12:30 p.m.

For reservations and information call Dick Hildenbrand, Extension 3273.

Its . . . Cricket

The Brookhaven International Cricket club traveled to Ithaca to play against Cornell University last Saturday, July 22, to return the visit Cornell made last year. Four carloads of enthusiastic club members made the trip and stayed overnight for the game. The match was a disappointing loss to Brookhaven. Winning the toss Brookhaven elected to bat first; but were all out for only 25 runs. Cornell scored the necessary runs for the loss of two wickets to win the match. This victory by Cornell evens the series (1-1) between Cornell and Brookhaven. The next intramural match will be played on Sunday, Aug. 6 at the softball field. All are welcome to participate.

Help-line (Continued)

Bureau of Standards and National Institute of Occupational Safety and Health.

"The need for systems like the CIS has grown due to the impact of recent government regulations which require manufacturers and processors to fully identify the chemicals to which they expose the public and their employees," said BNL's Herbert Bernstein.

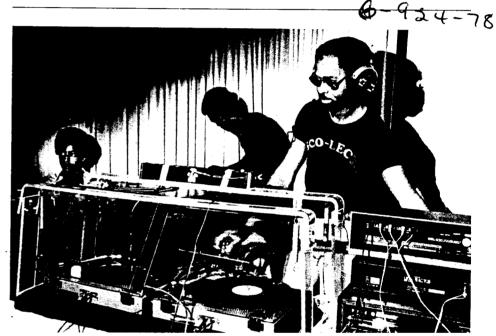
"Among these regulations is the Toxic Substances Control Act (Public Law 94-469, October 1976), which requires the government to establish 'a standard means for storing and for obtaining rapid access to information' about chemical substances," he said. "The CIS meets all of the defined requirements of a Toxic Chemical Structure Nomenclature Search system, and can provide much of this government-required access to chemical data."

Bernstein noted that the EPA's Office of Toxic Substances has contributed funds to the Chemical Information System, enabling expansion of the system to help meet the new government requirements in the area of chemical data and data retrieval systems.

BNL's staff can and do use the CIS services. Anyone who wants information on the system should call Kathleen Taylor at Ext. 4379.



The annual luncheon in honor of the BNL Tour Guides was held in Berkner Hall on June 30. The services of the Tour Guides in escorting visiting groups around the Laboratory is an important contribution to Brookhaven's public relations. From left to right – 1st row: Ted Erickson, Beth Salata, Bonnie McNair, Vincent Lodestro, Madeline Windsor, Don David. 2nd row: Audrey Bangel, Kathy Van Noy, Carole Kerr, David Comstock, Anne Mauro, Janet Sillas. 3rd row: Diane Grady, Jackie Larrie, Joan Perullo, Marge Stoeckel, Frances Scesny, Elinor Adams, Gail Bird. Other Tour Guides not pictured are: Marie Brenner, Francine Donnelly, Carolyn Eterno, Doug Hof, Melody Howard, Karen Kalish, Louise Kilcoyne-Tanner, Marion Newton, Betty Pergan, Carol Roberts, Elaine Rowland, Gail Waite, and Pam Walton.



Dance Designer

Monday through Friday, BNL's Rippie Bowman designs structures to shield employees from excess radiation in AGS. Two or three times a month, though, Rippie "designs" to expose people to, not keep them from, something very different than radiation: Rippie is a weekend disc-jockey.

For about three years, Rippie has gone "public"; that is, he has left his basement where he practiced privately for four years, to appear at BNL dances, area clubs and weddings. He selects the music he will play at an event from his own extensive record

collection. Rippie also owns a sound system which he brings with him, and because he totes his material to his jobs, he is known as a mobile disc-jockey.

Rippie has had no formal training but says he has always been interested in music. He learned about style from listening to the radio and became familiar with the necessary electronics in connection with his work.

He would someday like to work for a radio station but not, as he says, "as the morning d-j who wakes you up every day"; Rippie would rather be involved in "mixing," which is scheduling and programing various sets of music, or in making commercials.



It'll Make You Want to "Come, Blow Your Horn"

Members of the 1978 Dinner-Theatre committee Rosalie Piccione (seated, right), Marge Stoeckel and Charlie Flood (standing, left and right), confer with chairwoman Josephine Gazzola (seated, center) and producer-director, Richard Dolce (seated, left). Neil Simon's first stage play, "Come, Blow Your Horn" will be performed September 15, 16 and 17 in the Brookhaven Center as "BNL Presents Broadway '78." The three-act, light comedy will complete an evening of dining and dancing at the Center.

—photo by Rosen

Softball

LEAGUE I

Oldtimers 15 - Ravens 13

Larry Musso and Jim Roesler went 4 for 4 and Neal Carciello knocked in the winning run. Jack Fontana won his second game of the year.

Six Pax 10 - AMD 4

Jerry Levine went 3 for 4. All around good defensive playing.

LEAGUE II (Week of 7/10) NSLS 11 - Radicals 10

Good all around play by the Source and Power. Hr's from Stadnicki, Rambo and

Cardinals 9 - Strange Encounters 5 Good defensive play by both teams.

Nuke Powers 6 - Medical 5 Medical 10 - Nuke Powers 4

Fine all around defense behind M.B. Herman in the first game but then the Meds started operating together.

Sweat Hogs 10 - Roga 6

Third loss in a row for Roga. Hog hr's from Zafonte and Dimasscio.

Charlie Browns 17 - DEE 12 Heavy hitting by Hoover O'Hara, 3 run

Heavy hitting by Hoover O'Hara, 3 rul hr led the CB's.

Sweat Hogs 10 - Charlie Browns 9 Hearts stopped for the Hogs in the

Hearts stopped for the Hogs in the 7th inning but the CB rally fell one run short. Tough, well played game. Hr by Hog Schnaar and big grand slam by Hoover for the CB's.

MIXED LEAGUE (Week of 7/17)

Diamonds 20 - Who's on First 6 Chuck Carlson and Jim Griffin both had home runs. Carey Miller went 4 for 5.

Who Cares 11 - Trouble II 2

Good defensive plays won this game for Who Cares, especially by Patty Sieman, Mary Durham and Antoinette Carollo.

Balls & Strikes 11 - TNT 7 Unbelieveable pitching and hitting!!

Oh Kays 13 - Turkeys 0

Veteran Jackie Larrie hit and caught well as did Sydell Lamb. New pitcher, Henrietta James picked up a shutout for the Oh Kays.

E-Z Riders 10 - Thrids 6

An overall team effort saw Doug Gillette hitting a 3 run homer.

MIXED LEAGUE

Makeup Games - July 21 Balls & Strikes 9 - Diamonds 5

For the Diamonds, Walt and Dotty Lundgren hit very well and Ken Asselta

had a home run.

TNT 12 - Trouble II 7

It was a pretty tight game until the 5th inning when the TNT's blew up to win the game in a 10 run inning.

WOMEN'S SOFTBALL GAME

BNL 16 - Native New Yorkers 12

A phenomenal game with all around good hitting and defensive plays on the part of the BNL women.

Next Women's Softball game scheduled for Friday, July 28 at 5:30, Field 2, against Sonny's Girls. All spectators welcome so come down and rout us on.

Tennis Tournament

A record number of entries in the 1978 BNL Tennis Tournament have been received. This weekend matches are scheduled from 8:30 to 5:30 Saturday and Sunday – consult the draw sheets at the courts or the BERA Sales Office. Courts will be out of play this weekend except for tournament play. Rain is forbidden, but in case of inclement weather rescheduling to the next weekend day will be necessary. Consolation Men's and Women's singles will be drawn after the first rounds – matches will be scheduled in the evenings 31 July – 4 August. Good luck to all.

Attention — All Women Bowlers

The BNL Pink League which bowls on Tuesday evenings at 6 p.m. in the Port Jeff Bowl is accepting registrations for the 78-79 Season. All women employees and wives of BNL employees are invited. The season begins on September 12, 1978, but registration must be completed in the next few weeks. Please join us.

All interested teams or individuals should contact Marie Brenner, Extension 2456, or Carol Beckner, Extension 3483.

Summer Recreation Program

Pool Special

More cheering was heard from the swimming pool last Friday as the children kicked and paddled their way to victory in the kickboard races. The winners were:

Four to Six Years Olds

1st - Timmy Fox

2nd - Keith Holden

3rd - Ernesto Fontenla

Seven to Nine Year Olds 1st - Carolyn Gabusi

2nd - Megan Holden

3rd - Greg Holden

Ten Year Olds and Over

1st - Kristen Holden

2nd - Yoram Bonenboym 3rd - Sean Holden

Coming Events: This week - Diving Contest and Plate Races; Next Week - Relay Races.

On-Site Program

The Morning Recreation Program held its first "Circus Day" last Friday. The children rehearsed all week to come up with some first class and spectacular circus acts.

There were fat men, clowns, magicians, lions, strong men, and even a fortune teller. After much hard work and thunderous applause, all the children were rewarded with badly needed ice cold juice and watermelon.

Coming Events: This week - Treasure Hunt; Next Week - Olympics Day.

Clinic Reminders:

Informal games in the gymnasium Monday through Friday, 3:00 p.m. to 4:00 p.m. Informal Tennis lessons on the tennis

courts Monday through Thursday, 3:00 p.m. to 4:00 p.m.

Tennis tournament will be held the week of August 7-11. Watch for signs in the gymnasium and swimming pool.

Reports Available

The following reports are now available to the Laboratory Staff and to Affiliates of the DOE, AUI, and NRC. Others may purchase the reports from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161. Staff members should call Ext. 3484.

BNL-50674 \$13.00 Brookhaven Symposia in Biology, No. 29

"Genetic Interaction and Gene Transfer." C.W. Anderson

BNL-50755 \$4.50

Hydrogen Isotope Exchange in Metal Hydride Columns. R. Wiswall, et al

IL-50772

Annual Highlights of the National Center for Analysis of Energy Systems. K.C. Hoffman

BNL-50775 \$4.50 The 1977 Breeding Bird Censuses and Vegetation Surveys in Two Successional Stages of Oak-

Pine Forest. G.S. Raynor, et al
BNL-50777 \$5.25
Economic Assessment of Polymer Concrete Us-

age in Geothermal Power Plants. Burns & Roe Industrial Corporation

BNL-50784 \$9.00

Energy Needs, Uses and Resources in Developing Countries. P.F. Palmedo, et al

External Radiation Survey and Dose Predic-

tions for Rongelap, Utirik, Rongerik, Ailuk, and Wotje Atolls. N.A. Greenhouse and R.P. Miltenberger

BNL-50799 \$4.50 Annual Highlights of the Energy Technology

Programs. Robert J. Isler

BNL-50805 \$4.00 Proposal for a Booster to Raise the Injection En-

ergy of the AGS. T.F. Kycia and M. Month

Shocking Pictures

You'll get a charge out of your slides if you are one of the people who have purchased a slide projector from Kodak after March 1, 1977.

Herb Schulman, special hazards engineer for Safety and Environmental Protection, passes on the word that Carousel and Ektographic projectors purchased after that date may have a pinched wire which could cause shorting and potential shock hazard. The potential guilty ones have a silver and black Kodak emblem on top and have a caution label on bottom with alpha code beginning with "Y" or "C."

Repairs are fairly simple, and can be done yourself or, with the help of the dealer that sold the unit.

Public Sale of Motor Vehicles

Twenty-nine (29) vehicles, located at Warehouse T-87, will be available for Public Sale.

Inspection will be permitted from August 14th through August 18th, during the hours of 9 a.m. to 4 p.m., except Saturday and Sunday.

Bids will be opened on August 22nd, 1978, at General Services Administration, Business Service Center Bid Room, 26 Federal Plaza, New York, N.Y.

This will be an Informal competitive bidding. Bid forms may be obtained at Buildings 87 and 211. For further details, please call Extensions 2302 or 2977.

Please Return . . .

Return is requested of the following volumes borrowed from the library of the BNL Legal Counsel, Bldg. 460.

McKinney's Consolidated Laws of New York Vol. 17A Employer Liability Law

Vol. 58A Surrogates Court Procedure Act-Secs. 1 - 1000 Vol. 63B Volunteer Firemen's Benefit Law Index G to Mis

Vol. 42 Corpus Juris Secundum
Husband and Wife 539 to Indorse-

Vol. 51C Landlord and Tenant to 416

Vol. 60A Motor Vehicles

Title 26 U.S. Code Annotated

Title 26 Internal Revenue Code of 1939 as amended

Title 42 Public Health & Welfare Appendix,
Code of Federal Regulations
Title 42 Public Health & Welfare Sees

Title 42 Public Health & Welfare Secs. 7001-7706

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the bestqualified candidate for an available position, with consideration given to candidates in the following order of priority:(1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all nonscientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment, as indicated below. Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Personnel Placement Supervisor, Ext. 2882.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

718. TECHNICIANS (2 Positions) - Requires AAS or equivalent with ability to assemble large precision components. Experience with vacuum leak detectors and cryogenic devices desirable. Some shift work. ISABELLE Project, Accelerator Department.

719. SECRETARY - Requires AAS or equivalent and excellent secretarial skills. Technical typing experience very desirable. ISABELLE Project, Accelerator Department.

720. SECRETARY - Requires excellent secretarial skills, including steno. Expertise with word processing typing system highly desirable. Group secretary position. Department of Nuclear Energy.

721. SECRETARY - Requires excellent secretarial skills, including ability to type technical reports. Must have experience with word processing typing system. Department of Nuclear Energy.

722. LIGHT DRIVERS (2 Positions) - Supply and Materiel Division.

723. STOCK CLERK - Supply and Materiel Division.

724. RIGGER'S ASSISTANTS (4 Positions) - Temporary (8/7-10/15/78). Plant Engineering Division.
725. DRIVERS (4 Positions) - Temporary (8/7-

10/15/78). Plant Engineering Division.726. LABORERS (4 Positions) - Temporary (8/7-

726. LABORERS (4 Positions) - Temporary (8/7-10/15/78). Plant Engineering Division.
 727. LABORER - Temporary (8/7-10/1/78). Plant

OPEN RECRUITMENT: Opportunity for present Laboratory employees and outside applicants.

Engineering Division.

728. SYSTEMS DEVELOPMENT SUPERVISOR - Requires a bachelor's degree or equivalent with substantial experience in systems, programming and supervision. Knowledge of COBOL and good written and oral communication skills required. Administrative Systems & Data Processing Division.

729. SYSTEMS/DP ANALYST - Requires a bachelor's degree or equivalent with experience in design and implementation of business applications. Good communication skills required in dealing with user groups and management. Administrative Systems & Data Processing Division.

730. DATA BASE ADMINISTRATOR - Requires a bachelor's degree or equivalent. Substantial experience in design and development of data bases for on-line applications utilizing a data base management System. Administrative Systems & Data Processing Division.

731. HVAC ENGINEER - Requires BSME or equivalent and professional experience in facility design. Background should include the development of both drawings and specifications and cost estimating. ISA-BELLE Project, Accelerator Department.

732. ELECTRICAL ENGINEER - Requires BSEE and professional experience in the design of primary power station, distribution and site systems. Control system experience would be helpful. Background should include the development of both drawings and specifications and cost estimating. ISABELLE Project, Accelerator Department.

733. CIVIL/STRUCTURAL ENGINEER - Requires BSCE or equivalent and substantial professional experience in the design of large structures and foundations. Soils experience and knowledge of road and drainage design would be helpful. Background should include the development of both drawings and specifications and cost estimating. ISABELLE Project, Accelerator Department.

734. DESIGNER - Requires AAS in either mechanical or architectural technology or design or its equivalent. ISABELLE Project, Accelerator Department.

735. TECHNICIAN (monthly) - AAS or equivalent with experience in vacuum systems and gas handling equipment. To set up and maintain glow-discharge system for deposition of their films from silane. Knowledge of light machining and chemistry desirable. Department of Energy and Environment.

736. TECHNICIAN (monthly) - AAS or equivalent to design, build and test digital circuitry. Physics Department.

737. TECHNICIANS (2 positions) - Requires AAS or equivalent in electronics and good background in low level analog and digital circuitry. Should be competent in the construction and debugging of prototypes, ISABELLE Project, Accelerator Dept.

738. COMPUTER OPERATOR - Shift work. Administrative Systems & Data Processing Division.

739. HEAVY EQUIPMENT MECHANIC-OPERATOR - Temporary (8/7-10/15/78). Plant Engineering Div.

Autos & Auto Supplies

68 CHEVELLE - SS 396, needs major engine, some body work, Muncie 4 spd, 4:10 posi, \$250. Scott, Ext. 2907 or 283-5504.

NEW & USED TIRES - rims, repairs, MAG wheel service, reg, radial, Dunlop-Firestone, free instal, balance avail. Fred Usack, Ext. 4597 lunchtime or 475-4935 eves.

70 CHEVY - 350 engine completely rebuilt, like new,

\$200; Chevy auto trans, rebuilt, \$100. Harry, Ext. 4722.
STARTER - Motor, Ford, 6 cyl, \$10; Ford 351 V8 dis-

tributor, \$5; Ford 351, V8 fuel pump, \$5. Frank, Ext. 3898.

VAN SEAT - (1) tan, high back w/adj base, new, \$50;

2 heart shape windows, \$30. Bill S, Ext. 4434.

SET - of side mount headers for late model Camaro small block needs side pipes and mufflers. \$25. Bill, Ext. 4434.

77 PLYMOUTH - Fury Sport, fully equipped, a/c, p/s, p/b, am/fm 8 trk, 18 mpg with air, must sell. 588-4703.
72 FORD TORINO - 2 dr hdtp, 302 engine, new

brakes and exhaust system, good cond. \$1300. Bill, Ext. 4068 or 473-3171.

MAGS - (2) Cragar SS mags 15"x10" uni-lug w/adapters for Ford or Chrys. \$80. Bill, Ext. 4434.

CHRYSLER - transmission w/15" tailshaft for 318 cu in engine. \$100. 727-3830 after 6. 68 BUICK - Skylark, good running cond. \$250. Ext.

77 VW RABBIT - sunroof, am/fm stereo, snow tires, roof rack, available Aug 1st. Mike, Ext. 2584.
77 INTERNATIONAL - Scout II, 4 whl dr, excel cond,

20,000 mi. \$7,000. 821-0080.

JEEP RIMS - fits tire size 15x5.50. Reasonable. John Ext. 2269.

68 SAAB 96 - good cond, 90,000 mi, \$100; 67 SAAB 95, original owner, \$100. 928-0821 after 5.

55 TRIUMPH - TR2, 95% restored, only 8000 made. 968-5042. \$2100.
74 VESPA - (Motorscooter) excel cond only 4,000

miles, 117 miles/gal. \$550. Dinos, Ext. 4666. 71 PINTO - 2 dr, 4 spd, 4 new tires, good dependable transportation, new brakes, excel gas mileage, must

sell. \$525. Ext. 2534 or 727-1346. 68 BUICK - 6 pss wagon, a/c, luggage rack, extra snows on rims, 62,000 mi, cream puff, \$1500. 751-

72 TORONADO - 76,000 mi, new tires, brakes, \$1550. Emil, 928-3088.

76 KAWASAKI - KZ400 D, like new, \$850. Pluss, Ext. 3280.
73 GREMLIN - 6 cyl, good trans, \$650; 73 CHEVY

PIC UP - 6 cyl, ½ ton, green. \$1650. Ext. 2546 or 744-

404/ eves. 67 AMERICAN - Rebel, 6 cyl, auto, engine fine, trany reverse N.G., handyman spec. Rino, Ext. 2012 or 273-

BRAKE DRUMS - set of 4, resurfaced, fits Dodge and Plymouth 14" wheels. Joe, Ext. 2251.

57 CHEVROLET - Belaire Coupe, 6 cyl, auto, excel cond, must see. \$2200. 363-6121 after 6.

64 PONTIAC - ('67 engine) Catalina Sta Wag, good for parts or if used for trans, needs tune-up and body work. \$75. Ext. 2907 or 698-0576.

76 AMC SPORTABOUT - Deluxe, a/c, p/s, p/b, tilt wheel, roof rack, split seats, new cond. \$3500. Elaine,

74 PEUGEOT - 504, stnd, new radial tires, 2 snow tires. am/fm Blaupunkt radio, sunroof, excel cond. \$4000, Ext. 2921 or 728-9106.

 $68\ FORD\ LTD$ - rebuilt engine, p/s, auto, very good cond. \$500. 585-4038.

71 CHEVY IMPALA - 2 dr, hardtp, vinyl top, new brakes, new paint job, really A-1 cond, a/c. Ext.

77 SUBARU STATION WAGON - 4 whl dr, inside controlled Superwinch 12-V, roof rack, over-sized tires, white spoked wheels, front grille guard and skid plate, 14,000 mi., excel cond. \$5095. 595-3250 days or 766-2161 eves.

MOPED - Honda Express, great gas mileage, goes 30 miles per hour, brand new. \$280. Gerry, Ext. 2963 or

Boats & Marine Supplies

AQUACAT - 12' Catamaran, blue & green, needs work, \$200. Vicki, Ext. 2902 or 744-8765 after 6.

ANDREA - Model 90 depthmeter, factory rebuilt, \$50. B. Espensen, Ext. 3992 or 298-4172.

12' ALUMINUM JOHN BOAT - Sears, easy car-topper. \$60. Ext. 4335 or 286-9458.

MARINE PAINT - gray, 5 gal. \$25. Ext. 4597.

8' DINGY - w/oars and oar locks, very good cond. \$80. Vera, Ext. 2540 or 979-0635.

MUSHROOM ANCHOR - 100 lb w/chain and buoy, \$100. Vera, Ext. 2540 or 979-0635.

74 C&C 25' YELLOW SAILBOAT - 6 Ulmer sails, 9.9 HP 74 Evinrude, 6 Merriman winches. 589-9206 eves. 10' SAILBOAT - fiberglass w/mahogany thwarts, beautiful lines, excel cond, sail away, \$400. 744-3225.

18' GARVEY - 7' wide, fiberglass over wood 34" bottom, self bailing deck, cabin, foam floatation. \$950. 475-4557 after 6.

20' FIBERGLASS - 150 HP Merc I/O, new outdrive 1975, new lounge seats, gas tanks, bilge pump, DF, very clean, will demonstrate. \$2200. Richie, Ext. 4254 or 734-7342.

1959 EVINRUDE LARK - 35 HP, runs, needs some work, or for parts. \$50. Don, Ext. 3511.

FUEL TANKS - 6 ga for O.M.C., single hose, \$6 ea.

17' VENTURE SAILBOAT - fiberglass, sleeps 4, motor, trailer, many extras. \$3000. Barry, Ext. 3370 or 286-9035

16' FIBERGLASS BOAT - 60 HP outboard, trailer, Ski/ Fish, ready to go. \$800 for package. Lawrence, Ext. 4107 or 472-0721.

SUNFISH - like new. Jim, Ext. 2968.

COX TILT BOAT TRAILER - extra tire and wheel, bearing buddy hub caps, good for boat up to 17 feet, needs some work. \$150. Ext. 3593.

76 GARVEY - Open, 20 ft, hull and sides have been fiberglassed. \$600. Joe, 981-2480.

Miscellaneous

YARD SALE - July 29, 10 - 4 pm. (weather permitting) corner of Circle Dr. & Dickerson Dr., Shoreham Village - household items, furniture, birdhouses, crafts, baby clothing (mostly girl's).

YARD SALE - July 29 and 30, 5 Dawnwood Drive, Manorville, East on Moriches Middle Island Rd to Dayton Ave, then follow signs. Tools, furn, household items, etc.

YARD SALE - 3 families, household, baby, some furniture, misc, July 29 and 30, 10 am to 5 pm, Corner Miller Ave. and Robinson St., Shoreham.

AQUARIUM - 30 gal w/stnd & access, \$40; walnut crib, \$20; Johnson 51/2 hp outboard motor, \$50; air cond, \$20; kit table w/4 chrs, \$10. 744-7974.

KODAK - sound movie outfit No. 140 camera w/ zoom lens and carrying case,, plus No. 235 sound projector. \$250. complete. Ext. 4701 or 271-2877.

1974 NIMROD - Tent trailer, excel cond, spare tire, sink, gas stove, heater, porta potti sleeps 6, \$950.

19" COLOR TV - electronic tech, special 68 Zenith, working, needs color adjustment, cheap. John, Ext.

SOFA - Danish set, \$10, fair cond, screen for slide door 80x36, excel cond, \$15; car bed, \$2; walker, \$5. 744-9498 after 6

DRYING OVEN - new, Scientific Products, \$50. Anita,

R/C AIRPLANE - Falcon 56 w/ citizenship DP-1, single channel, reasonable. John, Ext. 2269.

SPEAKERS - (2) Wolverine corner speakers, \$15. Ext.

HI Ft COMPONENTS - stereo amplifier, 22 watts

RMS per channel, \$65; matching am/fm tuner, \$65; both in perfect cond. 732-5829. FREEZER - 12 cu. ft. upright, like new, \$200 or best

offer. 727-7093 after 7.

COX CAMPER - 10' pop up, sleeps 6, excel cond, stove, heater, ice box, clothes closet. 473-7906.

BICYCLE - Girls 20" polo bike, excel cond. \$35. 289-

Ads left out of this issue because of lack of space need not be re-submitted in order to run in next week's issue.

BICYCLES - 20" and 26" for \$20 and \$25; pool table, \$25; ping pong table, \$20; baby dressing table, \$10; walking lawn sprinkler, \$15; also clothing, toys, etc. Palais, Ext. 2907 or 698-0576.

CAMPING EQUIPMENT - tent 9'x9', umbrella, \$25; Coleman stove, \$20; Coleman lantern, \$15. Barry,

BICYCLES - 10 spd his and her Schwinn Suburban's 17.5" and 21.5" frames, \$200. excel cond. John, Ext.

TENT - Coleman oasis 10x12, like new, \$175. John, Ext. 3848.

FREEZER - 15 cu ft GE frost free, used 1 season, excel cond. \$200. 363-6121 after 6. ROTISSERIE/BROILER - mirro matic electric, 7 posi-

tion, chromed spit assembly, removable element, like new, \$10 or best offer. Joe, Ext. 2251. HOUSEHOLD ITEMS - must move, L/R furn, couch

and chairs, \$50; 3 kit chairs, \$4 ea; mattress almost new, \$20; bookcase, rocking chair, battery charger and much more. 246-7966. TWIN SIZE - (2) bed springs, \$15 ea; (2) aluminum

storm doors w/screens and fittings, 32%"x80", 36%" x80", \$30 ea; aluminum storm windows and screens, assorted sizes. Helen, Ext. 2601.

SEWING MACHINE - excel cond, w/o case, \$50.

ROCKER/RECLINER - w/cloth slip cover, \$50; Morris chair, lime oak arms, needs slip cover. \$75 firm. Rich, Ext. 4172.

HOLLY HOBBY PILLOWS - (3), \$15 ea. Sharon, Ext.

BABY ITEMS - Bouncer, \$7; diaper changer/table, \$15; Crib, \$25; potty, \$5; all like new or good cond. better price on whole package. Sue, Ext. 4207

B&H -35mm slide projector w/slide trays, \$35; JDF am/fm stereo Antenna, \$25; stereo turntable w/ speakers, \$25, Walt, Ext. 3006.

GARRAD - Model 30 record changer w/new base and dust cover, \$30; with pickering cartridge, \$38. Rich, Ext. 4172.

AIR COND - Sears Coldspot, 18,000 BTU, 230 v. \$90. G. Price, Ext. 3336 or 472-1419.

ALUMINUM FOLDING TABLE - 3'x6', new, \$30; Panasonic 19" b/w TV, \$75; swivel rocker, \$20. 325-1961. MOWERS - 2 reel, push type, \$2 ea; Reo, power reel

BOOKCASES - (2) walnut, 27x36, \$8 ea; (1) walnut bookcase, 35x36, \$10; (Brass hardware on all bookcases); Hot pants w/bib, denim, new, Reg. \$10 - \$5, size 7/8 - long skirt size 7/8, summery, \$2; Macrame

Jute, asst colors, 3-ply, 70¢ a ball, macrame boards

mower, \$25. Roy, Ext. 4613.

\$1.25. Linda, 281-0843. FIREPLACE SCREEN - brass trim, draw screen, 48"w x30"h, \$15; 2-Panel dr, 2'x6'8", \$5; (4) aluminum double hung sash & frames for masonry walls, 37¼"w x41"h; can be adapted to wood frame structure. \$15 ea. 4/\$55. Pat, Ext. 4519.

ANTIQUE - cereal set, oak desk, copier electric typewriter, stereo. Helen S. 928-9274.

FOR ADOPTION - female Shepherd-Husky mix, 8 mo old, needs home desperately. Depken, 744-9423

BOY'S BICYCLE - \$20; am/fm stereo and turntable console, plus 2 speakers, \$85. Ext. 3030.

SCUBA TANKS - (2) small, 50 scf w/J-values, boots, \$50 ea; FREE, (2) TV's, need minor work, 17" B/W portable, 21" color console, Ext. 4058 or 286-0436.

SEWER & DRAIN CLEANER - plumbing feedomatic w/foot accelerator and all attachments. \$300. Vera, Ext. 2540 or 979-0635.

LOVE SEAT SOFA - and matching chair, plaid herculon, good cond. \$20. 751-8158.

STEREO - G.E. Mediterranean style console, am/fmstereo radio, auto, record changer. Ext. 3854 or 928-

BUNK BEDS - maple finish w/mattress, ladder and rail, good cond. \$60. 878-1514.

GE ELECTRIC EYE - light beam, alarm device, \$10. Ext. 4058 or 286-0436.

SHUTTERS - wood 16" wide, 3 pr 55", 4 pr 47". Ext.

FREEZER - GE frost free, 16 cu ft, excel cond. \$150. 286-8256 at dinnertime.

SHOTGUN - 12 ga, Sears single shot, mint cond. \$25. Roy, Ext. 4613.

NATIONAL GEOGRAPHIC MAGAZINES - from early 1950's up, 100 assorted in good cond. \$20; High Energy Audio design, stereo concert, slave amp, 4 mos. old, 200 watts per channel, 400 watts bi-amp mono, \$300. firm; Amplifier, silvertone 150 watt P.A. w/2 columns, \$200; Univox limited edition elec guitar, \$100, Bill, 661-1259 eves.

RIDING HORSE - 8 yr old, quarter, western saddle incl. \$550. 475-5206.

PHONOGRAPH - Motorola stereo Hi fi detachable speakers. 584-5919

BELL TOPTEX - Motorcycle helmet, size 7¾. Jim, Ext.

ROCKWELL 780 - disc sander, \$35. Scott, 878-1777 or BAR STOOLS - 3 black high backs, \$10 ea. Don, Ext.

BED ROOM SET - 4 pieces, \$50. Andy, Ext. 2907 or

WALNUT CHINA CLOSET - 70"Hx14"Lx44"W. 586-

FREEZER - GE upright, 12 cu ft, 2 yrs old, like new. \$200 or best offer. 727-7093 after 6.

BEDROOM SET - 1940 Vintage: double bed, mattress, box spring, dresser, chest, nightstand, chair, mirror. \$250. Ext. 4001 or 473-8806.

LABRADOR RETRIEVERS - yellow, 8 wks, champion stock, AKC, Whygin line bred for field and show. 286-8552 after 7:30.

AIR CONDITIONERS - (2) GE, both used one month: (1) custom superthrust, 8500 BTU, \$275; (1) Carry Cool, 4000 BTU, \$110. Phillips, Ext. 4235.

1971 COX CAMPER - pop up, sleeps 6, 2 ice boxes, pull out kit, 12x12 canopy, stove, excel cond, \$950. 298-4263 after 5.

75 HONDA "500" - bought in '77, helmet, Harley type handle bars, headers, crash bars w/lights, elect start, many more extras. \$1250. Chuck, 821-9321.

POOL LADDER - for 3 ft pool, \$5. Steve, Ext. 2350 or 585-8395

TV - 19" Zenith, B&W, good cond. \$35. 924-7756. STEREO 42" CABINET - w/4 spd turntable, am/fm

radio and tape deck, excel cond. Make offer. 475-WET SUIT - w/attached hood, mitts and socks, size

Med-Lg, reg \$115, now \$70; wet suit (large) w/hood, mitts, socks, weight belt, complete tank, knife, depth gauge, regulator, inflatable vest, complete. Reg \$650, now \$370. Ext. 3117.

SOFA BED - Med style 88" w/matching loveseat plus 2 matching ceramic base lamps, 1 mo old, \$425; lawnmower 18" Sears reel self propelled, excel cond. \$60. 734-7584 after 6.

AIR CONDITIONER - Norge, 2 spd fan, 2 cooling spds, auto thermostat, 110 volt, 6,000 BTU, \$85. Mike, 331-1325.

LAWNMOWER - Rotary, A-1 cond. \$25. Ext. 4539. CLARINET - Evette Student model (from Buffet) new

cond, \$75. Olness, Ext. 4581 or 751-2655.

FREEZER - 15 cu ft GE frost free, used 1 season, excel cond. \$200. 363-6121 after 6.

BICYCLE - 10 spd Peugeot w/heavy duty chain lock, excel cond. Ext. 2041. SOFA BED - w/inner spring mattress, like new, only

\$250; coffee table, end table and bookcase, each, \$15. Stu, Ext. 3227 or 567-2917. MICROWAVE - Tappan, 2 yrs old, \$225; Harmon Kardon Citation stereo separates, Dynaco pat-4, stereo

1035 after 5:30. AIR COMPRESSOR - w/tank, \$300; car lift, garage type, \$150. Conrad, 878-1953.

120, Twe 6 speakers, surfboard. Bob, Ext. 3515 or 698-

SKI BOOTS - '76 San Marco ladies 7, used one season, good cond, flow core. \$40. Kathy, Ext. 2381.

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Sale

STONY BROOK - 3 bdrm ranch, Rapco Foam insulated, eik, paneled fam rm w/fp, w/w carpeting, 2 baths, fin bsmt, auto U/G sprinkling system, pool, cabana/storage shed, ½ mile to SUNY. 751-6569.

ROCKY POINT - "The Tides," 3 bdrm ranch, large landscaped lot on quiet street, 2 car garage, bay windows, large den w/fp, patio, priv beach. \$45,000. Ext. 3063 or 744-4066 after 6.

E PATCHOGUE - 10 rm Colonial, beautifully landscaped, rock garden, gazebo, 1.4 acres, horse country, 4 bdrms, 30 ft L/R, fp, formal D/R, laundry rm off of kit, 2 garages, full bsmt, low 60's. 475-0168.

BROOKHAVEN HAMLET - 3 bdrm custom ranch on approx 11/3 acres, 20'x20' new barn, exotic landscaping, prestigious area, other features too numerous to list. 286-0246.

SOUTHWEST NEW HAMPSHIRE - 80 acres, ½ mile long, over 1000 feet frontage on each of two class VI roads, \$24,000 but will argue. Ext. 4058.

RIVERHEAD - 12x60' mobil home, nice location, 2 bdrm, 1½ baths, eik, tool shed and awning, many extras, priced to sell. \$8,000. Harry, Ext. 4722 or 727-

MASTIC BEACH - 4 yr old house, 6 rms, full bsmt, fenced, 80x125. 281-5498.

SHOREHAM VILLAGE - Lg Clarendon custom colonial, 4 bdrms, 21/2 baths, den w/fp, eik, formal D/R, 11/4 wooded acre, deck, walk to tennis, beach, country club. (reduced), \$80,000, 744-1935.

HEAD-OF-THE-HARBOR - 1 mile from beach, horse variance, custom farm ranch, 6 bdrms, 5 baths, 3 fp's, fin lower level in nightclub decor, 2.48 secluded heavily wooded acres, all appl, must sell this summer, present all offers. 584-6058 or 981-1327.

BELLPORT - 3 story waterfront home, 11/3 acres beautifully landscaped, large D/R and L/R, fp, eik, pantry, 4½ baths, den, 5 bdrm, double garage, must be seen. \$70,000. 286-2381.

WADING RIVER - 1961 Ranch, walk to Sound, deeded beach rights, 2 bdrms, fp, oil hot water heat, low taxes, fully landscaped. 727-0187 or 722-3789.

WADING RIVER - 2-3 bdrm cape, beach rights, loft, fp, cathedral ceiling, low taxes, Mid 30's. 751-0164

ROCKY POINT - 3 bdrm, secluded wooded ½ acre, garage, bsmt, 4 appl, OHW, low taxes, \$36,500. Walt, 821-9223.

For Rent

WADING RIVER - rooms to rent, near Wildwood Park, quiet. Maria, 929-4265 after 10:30 pm, Sat am or Sunday all day.

SHOREHAM - 4 bdrm "Contemporary" Colonial on 34 wooded acre, private beach, 10 min to BNL; avail Sept. \$450/mo plus utilities, or consider selling for \$75,000. 744-1679.

VERMONT - furnished Chalet, fp, mt lake/pond swimming, canoeing, fishing, woodland trails, nearby tennis, golf, riding, music festivals, summer stock. antiques. Rent wkly or monthly, 757-5599 after 4.

CORAM - furn rach, 15 min from Lab, 3 bdrms, study, fam rm, 2 baths, piano, patio, trees, fenced, avail Sept. \$400/mo plus util. 928-5124 or Ext. 3791.

EAST PATCHOGUE - 2 bdrm house, L/R w/fp, kit, D/R, util rm, enclosed sun rm, fenced-in backyard, avail Aug 15. \$300/mo plus util. Allan, Ext. 3369 or

PT JEFF STATION - 2½ rm apt, kit, L/R & B/R, combo pantry-laundry rm, all util and appl incl in reasonable rent. 473-4612.

Wanted

MATURE BABYSITTER - for 10 month old child in our home in Ridge beginning Sept 1. Marie, Ext. 2345 or

CLEANING WOMAN - reliable, experienced, thorough worker. 475-8658 after 6:30.

ROUND SOLID OAK TABLE - approx 48" diam, pedestal bottom claw feet. Pat, Ext. 4519.

HOUSEKEEPER - mature, reliable, afternoons, Mon-Fri, beginning Sept. Vicki, Ext. 2902 or 744-8765

BABYSITTER - 4 mo old baby, on-site or Wading River area. 929-8929.

APARTMENT - 2 bdrm, close to Lab and schools by Sept 15. Ext. 4581.

GOLF CLUBS - ladies, inexpensive; Go Cart, any cond (or Go Cart frame) reasonable. George, Ext.

STEAMER TRUNK - desk lamp, reasonable. 331-1718.

HOMES - year round for satin-black, Irish set/Lab retriever mix pups, ready for homes soon, will have shots, etc. Ext. 3325 or 878-4864 after 6. IRONING DEVOTEE - to do moderate amount of

ironing, mostly shirts. 744-1081 after 5. RUGS - various sizes, (2) twin mattresses, good cond

only. 744-0007. CAPABLE BABYSITTER - Brookhaven area, for infant

in our home. Call for details. 286-0641. TIRES - (2) good used, 7.00-13, 286-1056.

HOME - for very affectionate Ches Bay/Lab dog, 2 yrs old. Sharon, Ext. 3312 or 878-2591 eves.

AUTOMATIC SLR CAMERA - w/aperture pri & F 1.7x 50 mm or better. Carl, Ext. 4640.

ANTIQUE AUTO BUFF - to identify antique auto wheel. Barry, Ext. 3370 or 286-9035.

ROOMMATE - share house, own bdrm, 10 mi from Lab. \$125/mo. Don, Ext. 3254.

TOOLBOX - Craftsman (Sears) w/cabinet on wheels w/or without tools. Scott, Ext. 4364 or 878-1777. SAILBOAT - 21' to 26', shallow draft, prefer fiberglass

hull, for cruising. Don, 286-1205. LARGE - light weight duffle bags, marine alcohol stove, V.H.F. marine radio, life jackets, boat equipment. 751-8158.

SAILBOAT SEASNARK - sunflower or similar type, good cond, reasonable. R.J. Cerbon, Ext. 2368 or 928-6654.

Car Pools

Liz, Ext. 2028.

BELLPORT - need car ride daily and share expenses.

HUNTINGTON - driver to complete 5 man car pool. Herb, Ext. 3611 or Irv, Ext. 4580.

RIVERHEAD - 1 or 2 drivers wanted to complete existing car pool. Pat, Ext. 4519.

MASSAPEQUA - or Exit 29 or 30 SS Parkway to Lab and back. Frank, Ext. 3898.

FOUND - gold bracelet - found in front of bldg. 460. To claim, call Anne, Ext. 3336.

Lost & Found

Services DRYWELLS INSTALLED - cesspool lines repaired, rea-

sonable. Mike, 289-5704 after 5:30. ACCIDENT? CAR DENTED? NEED A PAINT JOB? don't be drowned in a sea of estimates and other hassles. Ext. 2546 or 744-4047.-

PAINTING - int/ext, free estimates, reasonable rates. 283-6255 or 727-6539.

PHOTOGRAPHY - for any occasion, custom prints and restorations, Passports, licenses and portfolios at competitive prices. Travis, 661-1259.

ASPHALT PAVING & SEALING - Bob, 475-4382.

CHILD SITTING - mornings or eves, Brookhaven Hamlet area. Lynn, Ext. 2497 or 286-2203. TREE SERVICE - removal, trimming; yards, cellars,

garages cleaned. 727-1617. DOG GROOMING - small breeds, \$9; med, \$10. Marie Beckman, 924-3756.

BABYSITTER - will babysit in my home, Shoreham

Village close to beach, or your home Shoreham-Wading River area. References. 744-6938.